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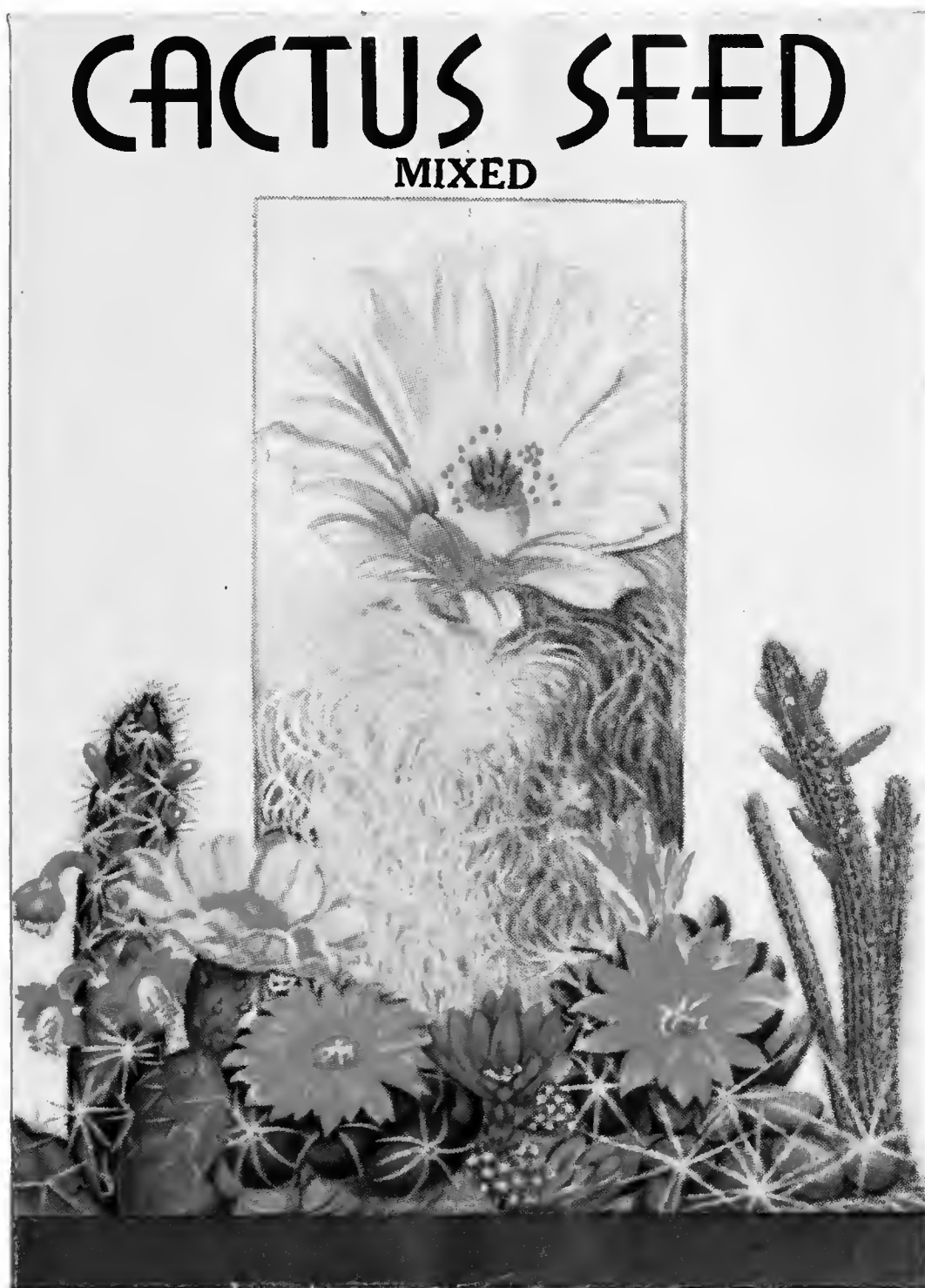
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U. S. Department of Agriculture

CACTUS and OTHER SUCCULENT SEEDS

GENERAL LIST No. 17



Specimen of our attractive seed packets.
Dealers please ask for wholesale prices.

R . W . K E L L Y

2410 La Rosa Drive
Temple City, California
U. S. A.

HOW TO GROW CACTUS FROM SEEDS

The growing of cactus from seeds is easy if a few simple requirements are observed. The experience is fascinating, as the development is quite different from that of ordinary flowering plants. Also perfect specimens without the scars and blemishes of desert collected plants can be obtained, and blooming size plants may be grown in two or three seasons which might require five to ten years under natural desert conditions. Cactus grows in spite of desert environments, not because of them.

TIME TO PLANT—For house or greenhouse culture without artificial heat, late spring and summer are best, but they may be planted at any time of the year if a minimum temperature of 65° F. can be maintained. Best results seem to be obtained with a temperature of 70 to 90° F., but higher temperatures in the glasshouse during the day do not harm them if they are kept moist. The seed pans should never be allowed to become dry, but do not keep them standing in water all the time.

SOIL FOR SEED—Sift equal parts of well rotted leaf-mold and sand through a one-fourth inch mesh screen. (IMPORTANT—Do not use a finer screen thinking to make a softer bed for the dainty seedlings, as the soil must be kept ventilated by the coarse particles.) Place some coarse gravel, mortar or broken brick about an inch deep at the bottom to insure drainage. Also have some holes in the bottom of the container. Shallow pots, nursery flats or cans may be used. The one pound coffee can is ideal for two or three hundred seeds.

SOW THE SEED thickly on top and cover with coarse sand or small gravel, about $\frac{1}{8}$ to $\frac{1}{4}$ inch deep. Crushed grit such as the poultry feed houses supply is ideal as the dust and finer particles are removed and the seeds must have air. *Do not cover with soil* as the seeds will remain dormant or smother and decay. For very small seed such as *Mamillarias* the gravel covering may be put on first and the seed allowed to settle between the crevices. This is the way they are grown in nature.

WATERING—After seeds are sowed place container in a pan of water until moisture appears on top. Then remove and water thereafter by sprinkling lightly from the top. The covering used must be coarse enough to be undisturbed by light sprinkling. The seed must be kept moistened until germination takes place which is about four days to two weeks. Some slower kinds will germinate after several weeks. It may be well to sterilize the soil before planting with boiling water to kill insects and fungi. If mold or "damping-off" fungus appears spray with a good fungicide. Do not keep in direct sunlight, but give moderate light after seedlings appear.

TRANSPLANTING may begin when first spines appear, but if the seedlings are not crowded they may be left until about pea-size or one-half inch high. Use same soil as above with the addition of good garden soil. Equal parts of leaf-mold, sand and loam is a good mixture. Add a little charcoal and place some of the gravel used for covering seed on top around the seedlings after they have been transplanted.

TERMS—Greatest care has been used in obtaining seeds from sources deemed reliable and to have seeds correctly named, but due to the several systems of nomenclature in use in various part of the world, no guarantee can be given as to correctness. We recognize "The Cactaceae" by Britton and Rose as the authority except that revisions made necessary by more recent investigations and discoveries are used in this catalog.

Prices are in U. S. dollars as at date of publication postpaid anywhere in the postal union. If air mail delivery is desired please enclose extra postage. Minimum postpaid order \$1.00.

Due to very limited stocks of some kinds of seeds, some will soon be sold out, so please include some alternate selections with your order. We do not substitute without your permission. 20% discount is allowed on purchases of 500 or more of one kind of seed. Wholesale growers please ask for special wholesale list for larger quantities. Foreign collectors please send price list. Exchanges invited from all growers and collectors.

California buyers are required by law to include 3% state sales tax; this does not apply to other states.

R. W. KELLY, 2410 La Rosa Drive, Temple City, California, U. S. A.

CACTUS SEED

PKT. 100
S

ANCISTROCACTUS

megarhizus	.10	.20
scheeri	.10	.20
AREQUIPA		
leucotricha	.10	.75



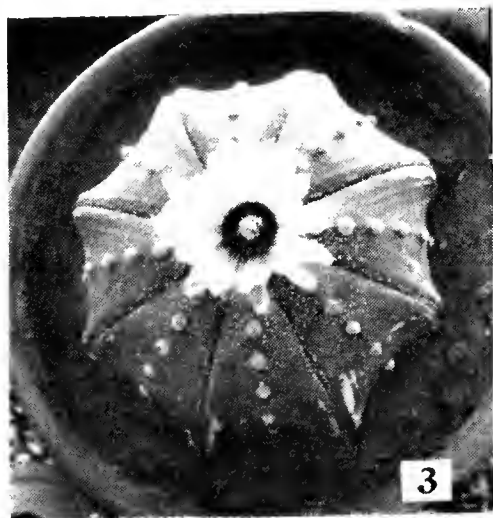
Ancistrocactus scheeri

ARIOCARPUS (Living Rock)

fissuratus	.10	.30
furfuraceus	.10	.30
kotschoubeyanus	.10	.30
retusus	.10	.30
scafarostrus	.10	.30
trigonus	.10	.30

ARMATOCEREUS (new genus Peru)

laetus	.10	.45
matucanensis	.10	.75



Astrophytum asterias
the "Sea urchin"

ASTROPHYTUM

asterias	.10	.40
capricorne aurea	.10	.40
capricorne var. major	.10	.35
capricorne var. minor	.10	.35
capricorne senilis	.10	.45
myriostigma coahuilense	.10	.40
myriostigma columnaris	.10	.45

ASTROPHYTUM—continued

myriostigma potosina	.10	.35
myriostigma tamaulipensis	.10	.40
myriostigma tetragona	.10	.45
ornatum	.10	.40
ornatum mirbelli	.10	.40

BERGEROCACTUS

emoryii	.10	.45
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BRITTONIA

davisii	.10	.25
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BROWNINGIA

candelaris	.10	.40
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CARNEGIA

gigantea (Ariz. giant)	.10	.20
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CEPHALOCEREUS

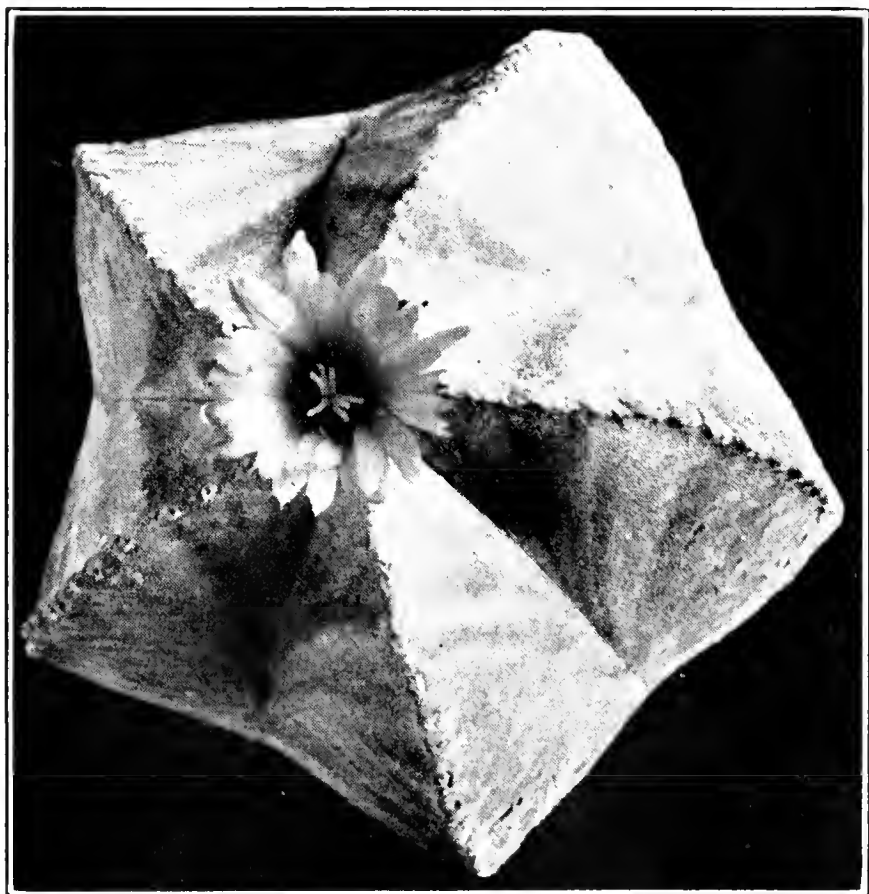
alensis	.10	.25
catingicola	.10	.30
chrysacanthus	.10	.25
fluminense	.10	.30
gounellii	.10	.30
leucocephalus	.10	.25
palmeri	.10	.25
robinii	.10	.50
senilis (old man)	.10	.25
swartzii (Jamaica)	.25	....

CEREUS (Piptanthocereus)

alacriportanus	.10	.30
chalibaeus	.10	.65
coerulescens var. melanacantha	.10	.55
dayamii	.10	.40
fernambucensis	.15	.70
forbesii	.10	.20
gonianthus	.10	.40
hankeanus	.10	.35
hexagonus	.10	.20
hildmannianus	.10	.20
jamacaru	.10	.20
mixed and hybrids best grafting stock	.10	.10
monvilleanus	.10	.25
peruvianus	.10	.25
peruvianus monstrosus	.10	.30
pitahaya	.10	.30

CEREUS (?)

maculatus	.10	.30
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Astrophytum myriostigma. The "Bishop's Cap."

	PKT.	100 S
CHILENIA		
acutissima10	.60
castanciodes .....	.15	.90
chilensis .....	.10	.65
heteracantha .....	.15	.90
nigrihorrida .....	.15	1.20
senilis .....	.15	.60
CLEISTOCACTUS		
baumannii .....	.10	.40
baumannii var. colubrinus.....	.10	.30
herzogianus .....	.10	.45
morawetzianus—new spec.....	.15	1.00
smaragdiflorus .....	.20	1.60
straussii .....	.10	.25
straussii var. jujuyensis.....	.10	.20
tupizensis .....	.15	.90
COPIAPOA		
cinerea .....	.20	1.45
CORYOCACTUS		
bolivianus .....	.10	.35
brevistylus .....	.10	.45
melanothrichus .....	.10	.20
CORYPHANTHA		
andreae .....	.10	.15
asterias .....	.10	.25
bergeriana .....	.10	.35
clava .....	.10	.25
cornifera .....	.10	.15
difficilis .....	.10	.15
echinoidea .....	.10	.15
erecta .....	.10	.15
georgii .....	.10	.20
gladilspina .....	.10	.20
jaumevei .....	.10	.15

	PKT.	100 S
CORYPHANTHA—continued		
nicelsiae .....	.10	.20
pallida .....	.10	.15
palmeri .....	.10	.15
pseudoechinus .....	.10	.15
recurvata .....	.10	.25
robustispina .....	.10	.40
schwarziana .....	.10	.25
scolymoides .....	.10	.15
valida .....	.10	.20
werdermannii .....	.10	.25
DENDROCEREUS		
nudiflorus .....	.10	.40
DISCOCACTUS		
tricornis .....	.25	1.80
DOLICHOTHELE		
sphaerica .....	.10	.30
ECHINOCACTUS		
corniger .....	.10	.15
corniger var. flavispinus.....	.10	.20
grandis .....	.10	.15
grusonii (golden barrel).....	.10	.15
guaymensis .....	.10	.15
horizonthalonius .....	.10	.20
ingens .....	.10	.15
polycephalus .....	.10	.25
xeranthemoides .....	.10	.40



Echinocereus delaetii. The "Old Lady."



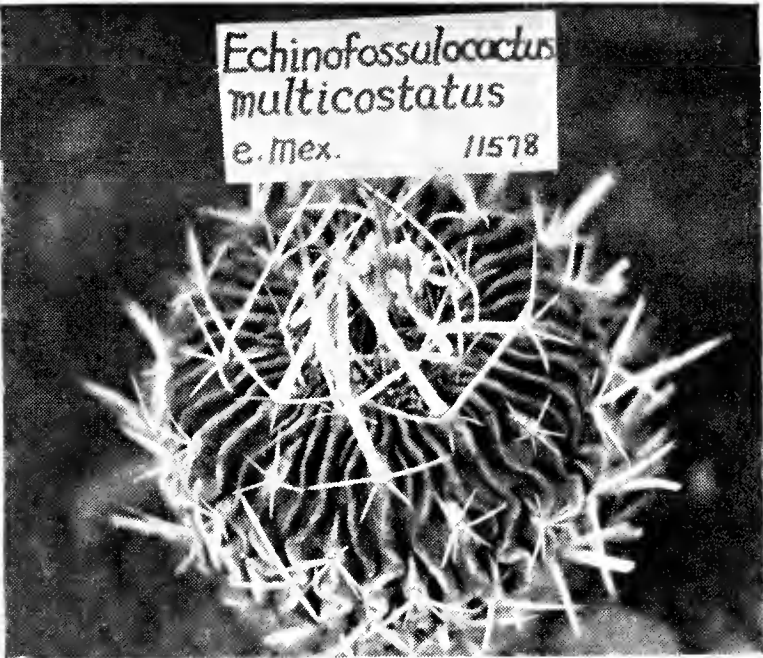
A window garden of seedlings.

ECHINOCEREUS		
amoenus .....	.10	.25
armatus .....	.10	.20
australis .....	.10	.40
blanckii .....	.10	.25
bonkerae .....	.10	.30
boyce-thompsonii .....	.10	.30
cinerascens .....	.10	.40
conglomeratus .....	.10	.15
de laetii .....	.10	.20
dubius .....	.10	.15
engelmannii .....	.10	.25
fitchii .....	.10	.40
glycimorphus .....	.10	.20
knippelianus .....	.10	.25
leonensis .....	.10	.15
maritimus .....	.15	.70

For amateurs unfamiliar with identity of names, we will select 10 packets named species most easily grown, a fine assortment of various types for \$1.00, 20 all different for \$2.00.

	PKT.	100
ECHINOCEREUS— <i>continued</i>		S
melanocentrus .....	.10	.25
mojavensis .....	.10	.25
neo-mexicana .....	.10	.40
octacanthus .....	.10	.25
pectinatus .....	.10	.15
pectinatus var. castanea.....	.10	.25
pulchellus .....	.10	.25
reichenbachii .....	.10	.20
rigidissimus (rainbow).....	.10	.25
ritteri .....	.10	.25
roseii .....	.10	.20
sarrissophorus .....	.10	.20
sarrissophorus var. ....	.10	.20
scopulorum .....	.10	.15
sp. n. (from Dorantes).....	.10	.15
stoloniferus (new) .....	.10	.50
stramineus .....	.10	.15

ECHINOFOSSULOCACTUS		
albatuS .....	.10	.15
coptonogonus .....	.10	.15
crispatus purple flower.....	.10	.30
crispatus yellow flower.....	.10	.25
hastatus .....	.10	.15
lamellosus .....	.10	.15
lloydii .....	.10	.40
multicostatus .....	.10	.15
ochoterenO .....	.10	.40
phyllacanthus .....	.10	.15
sp. nov.? (Cadereyta).....	.10	.25
vaupelianus .....	.10	.25



Echinofossulocactus are good pot plants which bloom early.

ECHINOMASTUS		
arizonicus .....	.10	.50
durangensis .....	.10	.20
erectocentrus .....	.10	.50
johnsonii .....	.10	.40
sp. n. ....	.10	.60

ECHINOPSIS		
ancistrophora .....	.10	1.00
campylacantha .....	.10	.15
hamatacantha .....	.10	.30
huottii .....	.10	.60
leucantha .....	.10	.30
violacea .....	.10	.40

EPITHELANTHA		
micromeris var. greggii .....	.10	.35
micromeris var. tuberosus .....	.10	.35
micromeris var. unguispinus.....	.10	.35

Midget cactus for small bowls which never grow large are Epithelantha, Frailea, Gymnocalycium, Lobivia, Mammillaria, Notocactus, Parodia and Rebutia. Many others will remain small as long as kept in small pots and crowded bowls.

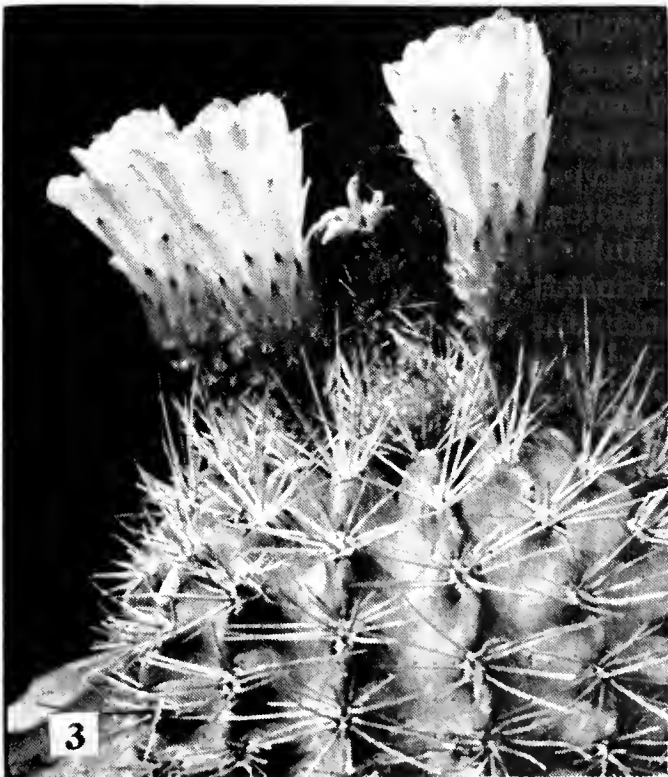
	PKT.	100
ERDISIA		S
maxima .....	.10	.40
squarrosa .....	.10	.75
ERIOCEREUS		
martini .....	.10	.20
pomanensis .....	.10	.60
tortuosus .....	.10	.40



Echinopsis leucacantha as it grows in native habitat.

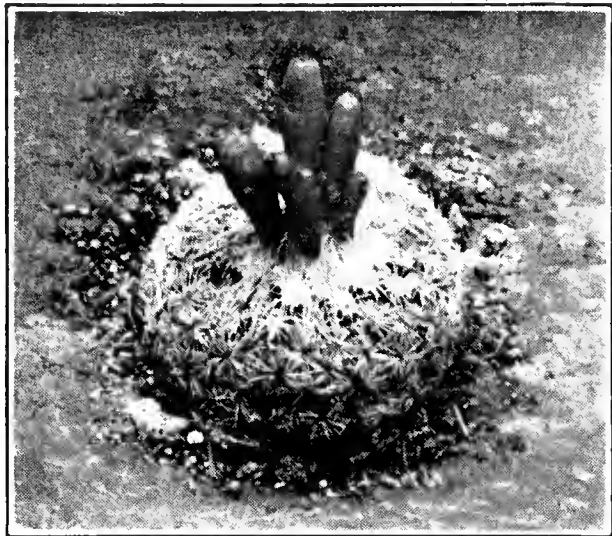
ERIOSYCE		
ceratistes .....	.10	.75
korethroides .....	.10	.50
sandillion .....	.10	.50
ESCOBARIA		
durispina .....	.10	.25
roseana .....	.10	.30
sp. n. (Bustamente) .....	.10	.30
tuberculosa .....	.10	.20
tuberculosa var. durispina.....	.10	.40

ESCONTRIA		
chiotilla .....	.10	.15



Echinopsis violacea with its beautiful flowers.

	PKT.	100 S
ESPOSTOA		
lanata .....	.15	.80
sericatus .....	.15	.80
EULYCHNIA		
iquiquensis .....	.15	1.00
spinibarbis .....	.15	....



Epithelantha micromeris
"A midget cactus." Life size.

FEROCACTUS		
acanthodes .....	.10	.20
alamosanus .....	.10	.20
californicus .....	.10	.40
coloratus .....	.10	.40
covillei .....	.10	.20
echidne .....	.10	.15
electracanthus .....	.10	.10
emoryii .....	.10	.30
flavovirens .....	.10	.60
fordii .....	.10	.20
glaucescens .....	.10	.20
gracilis .....	.10	.25
hamatacanthus .....	.10	.10
horridus .....	.10	.15
johstonianus (rare) .....	.15	.80
latispinus (corniger) .....	.10	.15
longihamatus .....	.10	.20
macrodiscus .....	.10	.40
mathsonii .....	.10	.15
orcuttii cristata .....	.15	.50
pilosus .....	.10	.25
pringlei .....	.10	.15
rectispinus .....	.15	.60
recurvus .....	.10	.15
robustus .....	.10	.10
tortulospinus .....	.15	....
uncinatus .....	.10	.10
uncinatus var. wrightii .....	.10	.20
viridescens .....	.10	.20
wislizeni .....	.10	.20
FRAILEA		
colombiana .....	.20	1.20
grahliana .....	.10	.25
gracillima .....	.10	.30
pseudopulcherrima .....	.10	.80
pulcherrima .....	.20	....
pumila .....	.10	....
pygmea .....	.10	.60
schlinskyanus .....	.10	.45

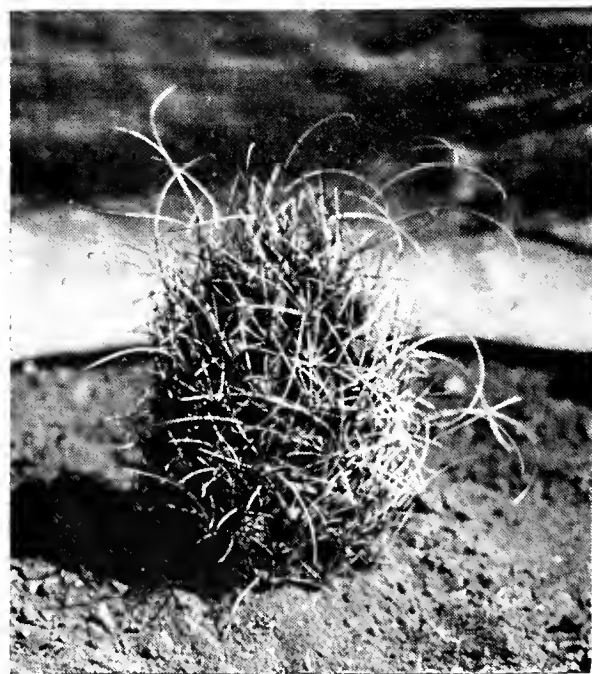
The best cactus for indoor pot culture and which will flower early are Mamillaria, Astrophytum, Echinopsis, Rebutia, Notocactus, Gymnocalycium and Hamatocactus.

	PKT.	100 S
GRUSONIA		
bradtiana .....	.10	.20
GYMNANTHOCEREUS		
microspermus .....	.25	....



Eriocereus martinii
One of the many "Night Blooming Cereus."

GYMNOCALYCIUM		
baldianum .....	.15	.80
bodenbenderianum .....	.15	.70
chubutensis .....	.20	1.35
de laetii .....	.10	.40
gibbosum .....	.10	.45
gibbosum var. nigrum .....	.25	....
gibbosum var. schlumbergeri .....	.15	.75
hybopleurum .....	.15	.60
kurtzianus .....	.10	.30
leptanthus .....	.10	.40
loricatus .....	.10	.15

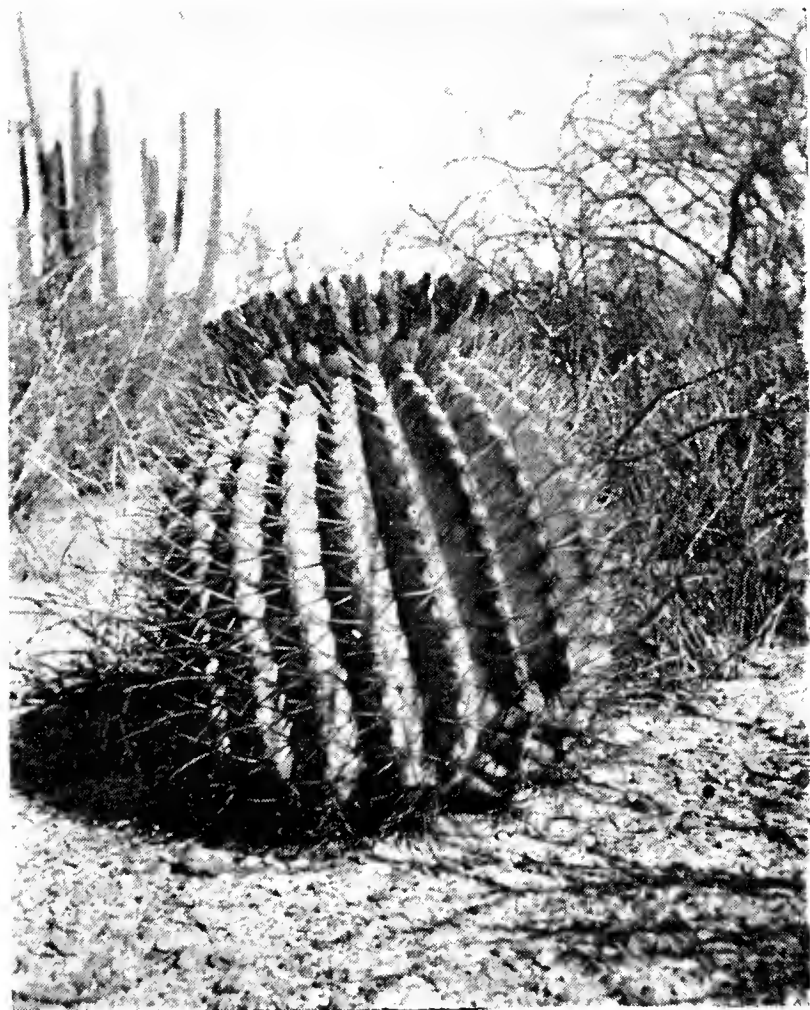


Ferocactus uncinatus

	PKT.	100 S
GYMNOCACTUS— <i>continued</i>		
lafaldense .....	.15	.60
mazanense .....	.15	.45
mazanense var. breviflorum.....	.15	....
mazanense var. ferox.....	.20	....
mihanovitchii .....	.10	.60
mihanovitchii var. stenogonum.....	.20	.80
monvillei .....	.10	.30
mostii .....	.15	.60
multiflorum .....	.10	.75
netrelianum .....	.15	.90
nidulans .....	.20	1.20
nigriareolatum sp. nov. ....	.15	.90
ochoterenai .....	.15	1.00
oenanthemum .....	.30	....
pflanzii .....	.15	.80
platense .....	.20	....
platense var. baldianum.....	.15	.80
prolifer sp. nov.....	.15	1.20
quehlianum, white flower.....	.10	.30
quehlianum, rose flower.....	.15	.60
rhosantherum .....	.15	....
saglione .....	.10	.30
schickendantzii .....	.15	.60
sigelianum .....	.15	....
spgazinnii .....	.10	.75
stellatum .....	.15	1.40
stuckertii .....	.10	.60
weissianum var. atroroseum.....	.20	1.20

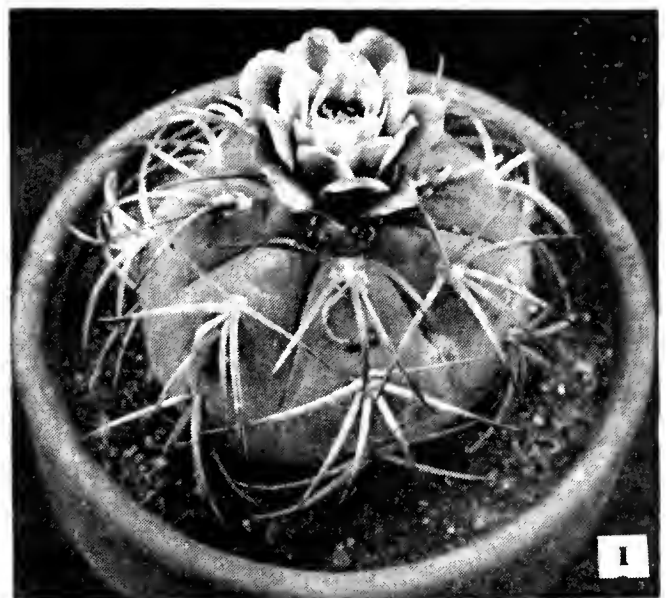
HAAGEOCEREUS

acranthus .....	.10	.40
australis .....	.15	1.00
chosicensis .....	.10	.35
decumbens .....	.20	.90
laredensis .....	.15	1.00
olowinskianus new sp.....	.10	.60

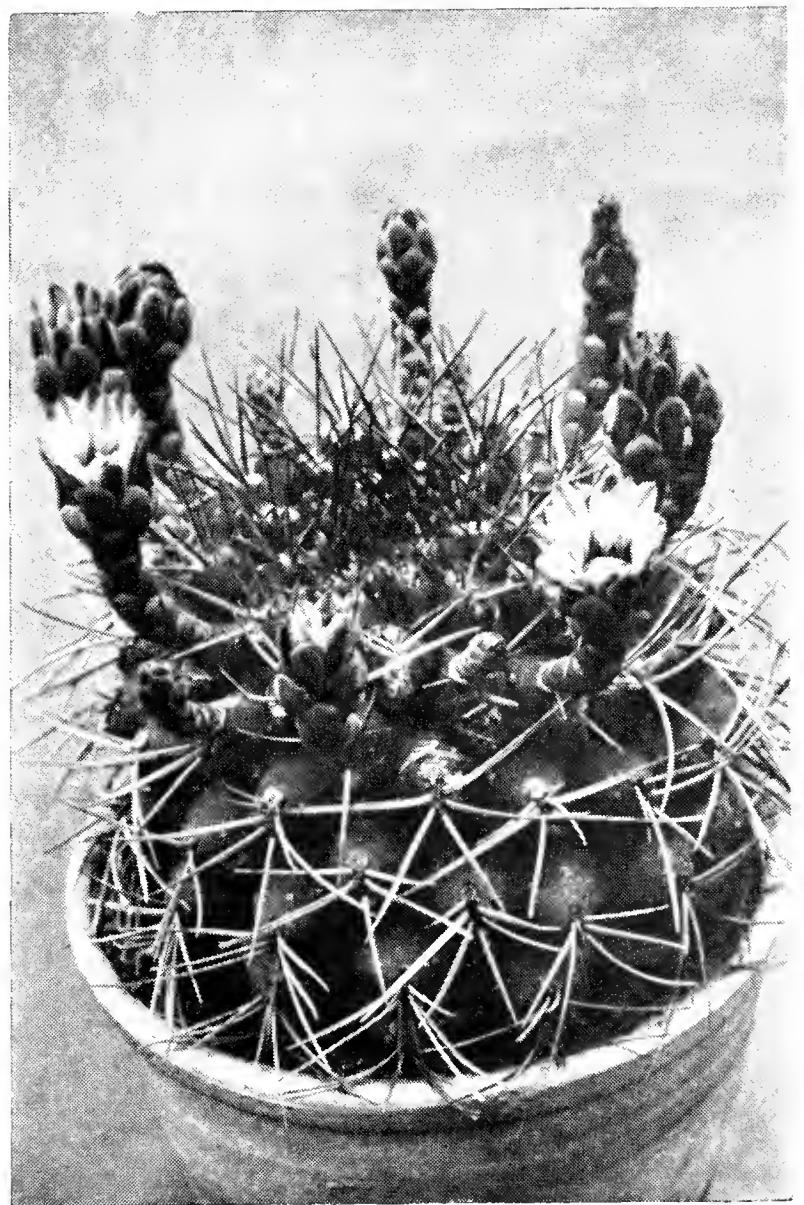


Ferocactus covillei
An Arizona "Barrel Cactus."

	PKT.	100 S
HAAGEOCEREUS— <i>continued</i>		
pacalaensis .....	.15	1.35
pseudomelanostele .....	.10	.40
versicolor .....	.10	.40
HAMATOCACTUS		
setispinus .....	.10	.15



Gymnocalycium loricatum



Gymnocalycium schickendantzii

HARRISIA

brookii10	.25
eriophora10	.25
fragrans10	.25

HOMALOCEPHALA

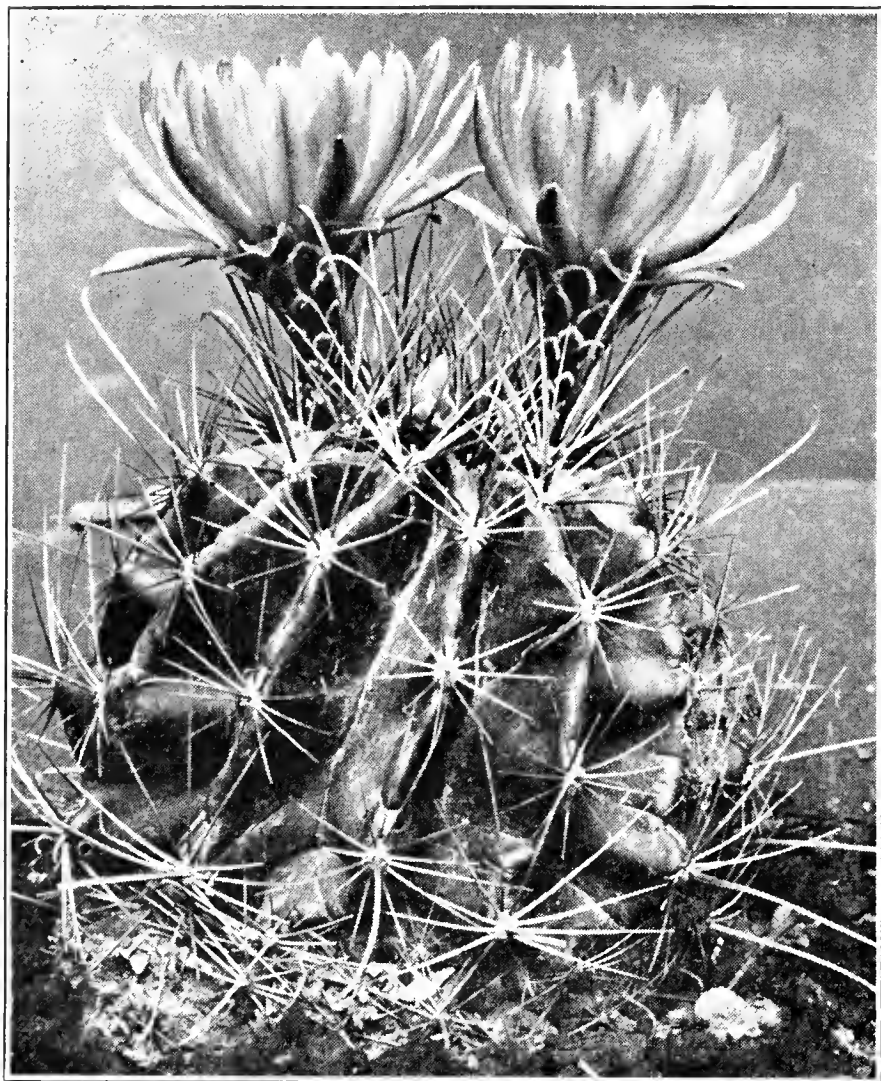
texensis10	.20
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HYLOCEREUS

undatus (Honolulu Queen)10	.30
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Colorful globular species are *Astrophytum*, *Coryphantha*, *Echinofossulocactus*, *Lobivia*, *Malacocarpus*, *Mammillaria*, *Neoporteria*, *Parodia*, *Rebutia* and *Thelocactus*.

	PKT.	100 S
ISLAYA		
minor	.15	1.00
LEMAIREOCEREUS		
bavosus	.10	.15
beneckii	.20	....
candelabrum	.10	.20
chende	.10	.15
chichiye	.10	.15
dumortieri	.10	.20
griseus	.10	.20
montanus	.10	.20
pruinosis	.10	.15
stellatus	.10	.15
LEPTOCEREUS		
leoni	.15	.80
LEUCHTENBERGIA		
principis	.10	.30

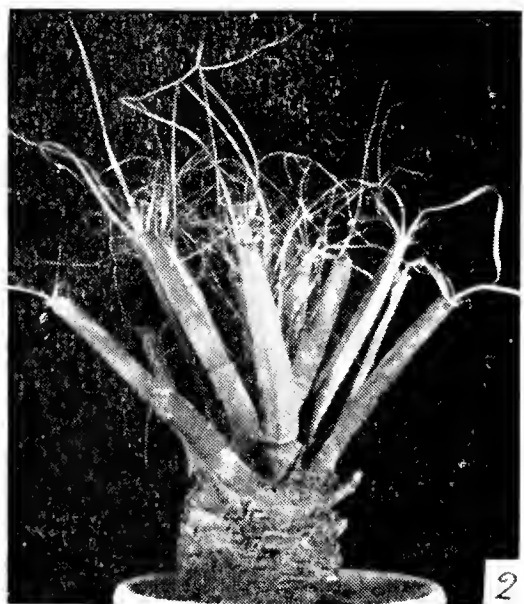


Hamatocactus setispinus
Free blooming, easily grown.

LOBIVIA		
allegraiana	.20	1.35
aurea	.10	.45
backebergii	.15	1.20
binghamiana	.20	1.35
boliviensis	.10	.45
breviflora	.20	....
caespitosa	.15	.90
corbula	.10	.75
cylindrica	.15	1.20
drijveriana	.25	1.80
drijveriana var. aurantiaca	.25	....
drijveriana var. nobilis	.25	....
ducispauli	.10	.25
famativensis (type)	.10	.60
famativensis var. cinnabariana	.10	.60
famativensis var. haematantha	.10	.75

LOBIVIA—continued

famativensis var. longiseta	.20	....
ferox	.10	.30
haageana (type)	.15	1.35
haageana var. albihepatica	.25	1.50
haageana var. bicolor	.20	1.50
haageana var. chrysantha	.15	1.35
haageana var. cinnabarina	.25	1.50
haageana var. croceantha	.25	....
haageana var. durispina	.20	....
haageana var. leucoerythrantha	.20	1.35
haageana mixed	.15	1.20
hermanniana	.35	....
hertrichiana	.20	1.35
higginsiana	.15	1.00
jajoiana	.15	1.00
leucorhodon	.20	....
longispina (red flower)	.15	.60
mistiensis	.15	.90
nealeana	.20	1.50
neo-haageana	.20	1.20
pampana	.15	.90
pentlandii	.10	.40
polycephala	.20	....
pseudocachensis	.10	.60
pseudocachensis var. cinnabarina	.15	....
pseudocachensis var. sanguinea	.15	....
pseudocachensis mixed	.15	....
rebutiodes	.20	1.35
rubescens	.20	1.00
schuldtii	.15	.50
saltensis	.10	.40
tegleriana	.10	.75
wegheiana	.15	.90
LOPHOCEREUS		
sargentianus	.10	.35
schottii	.10	.25
LOPHOPHORA		
williamsii	.10	.35
LOXANTHOCEREUS		
acanthurus	.10	.40
eriotrichus	.35	....
eriotrichus var. longispinus	.25	....
faustianus	.25	....
jajoianus	.15	1.35
MACHAEROCEREUS		
gummosus	.10	.25



Leuchtenbergia principis
The "Agave Cactus."

The easiest and fastest growing species for the beginner to try are Cereus, Echinocactus, Ferocactus, Hamatocactus, Lemaireocereus, Oreocereus, Pachycereus and Trichocereus.

PKT. 100
S

MALACOCARPUS

See also Notocactus

sellowii .....	.10	.60
vorwerckianus .....	.10	.60

MAMILLARIA

applanata .....	.10	.20
armillata .....	.15	.80
baldonae sp. n. ....	.10	.40
baumii .....	.10	.40
bicolor .....	.10	.15
blossfeldiana .....	.10	.40
bocasana .....	.10	.15
boedeckeriana .....	.10	.20
brandegeii .....	.15	.80
calacantha .....	.10	.20
camptotricha .....	.10	.15
candida var. rosea....	.10	.20
caput medusae .....	.10	.15
carmelae sp. n. ....	.10	.40
carnea .....	.10	.15
carrettii .....	.10	.35
celsiana .....	.10	.15
centricirrha .....	.10	.15
cephalophora .....	.10	.40



Mamillaria bocasana
A white woolly one with hooked red spines.

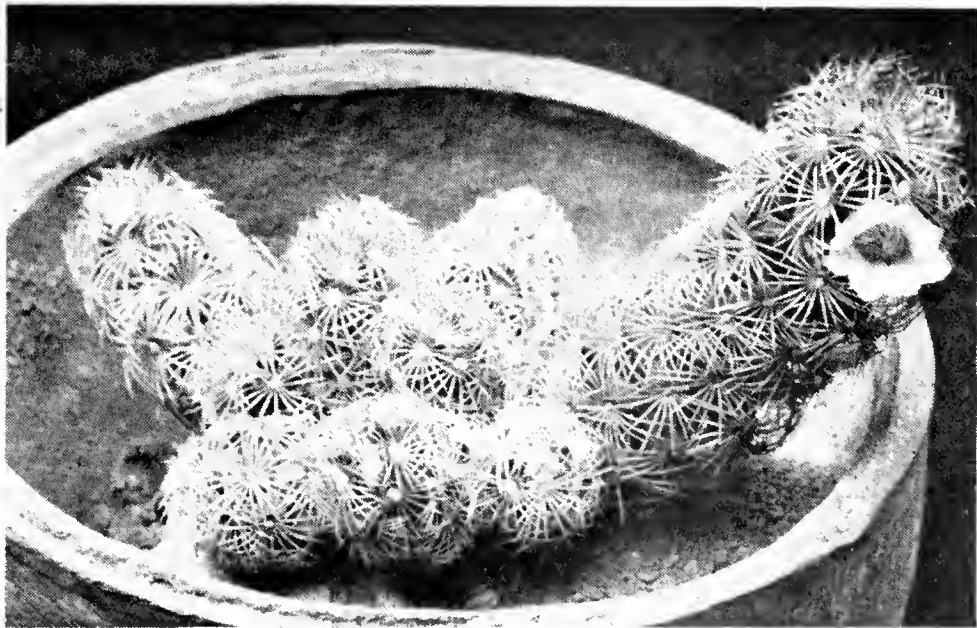


Lobivia aurea
Golden flowered. Blooms second year.

chinocephala .....	.10	.25
compressa .....	.10	.15
crucigera .....	.10	.15
decipiens .....	.10	.15
densispina .....	.10	.15
denudata .....	.10	.20
dioica .....	.10	.20
discolor .....	.10	.15
dolichocentra .....	.10	.15
durispina .....	.10	.15
elegans .....	.10	.15
elongata var. echinata.....	.10	.25

MAMILLARIA—continued

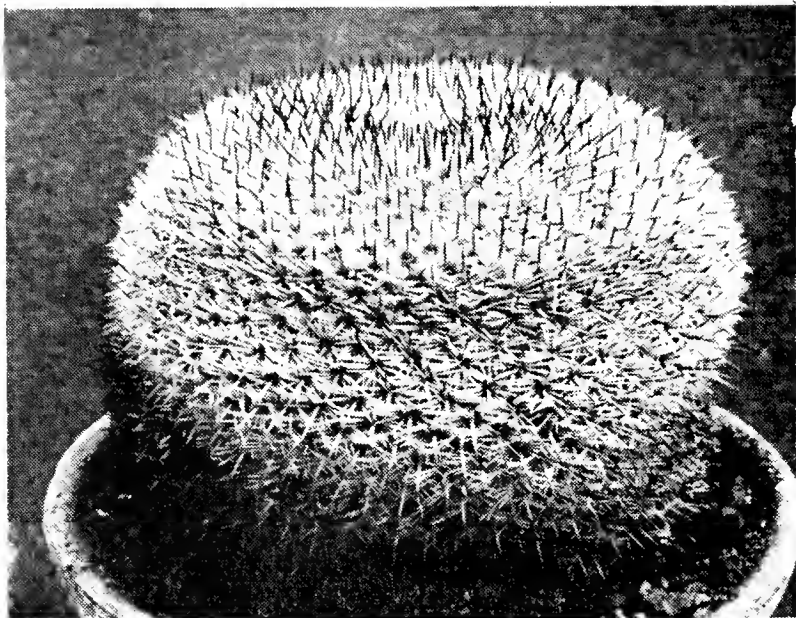
elongata stella aurata.....	.10	.15
erythrosperma .....	.10	.25
fasciculata .....	.10	.25
flavovirens .....	.10	.15
fuliginosa .....	.10	.25
gabbii .....	.10	.40
galeotii .....	.10	.15
gigantea .....	.10	.15
guelzowiana .....	.10	.35
gummifera .....	.10	.25
haageana .....	.10	.20
hahniana .....	.10	.35
heeseana .....	.10	.20
herreriae .....	.10	.75
heyderi .....	.10	.15
hidalgensis .....	.10	.40
karwinskiana .....	.10	.15
klissingiana .....	.10	.25



Mamillaria elongata

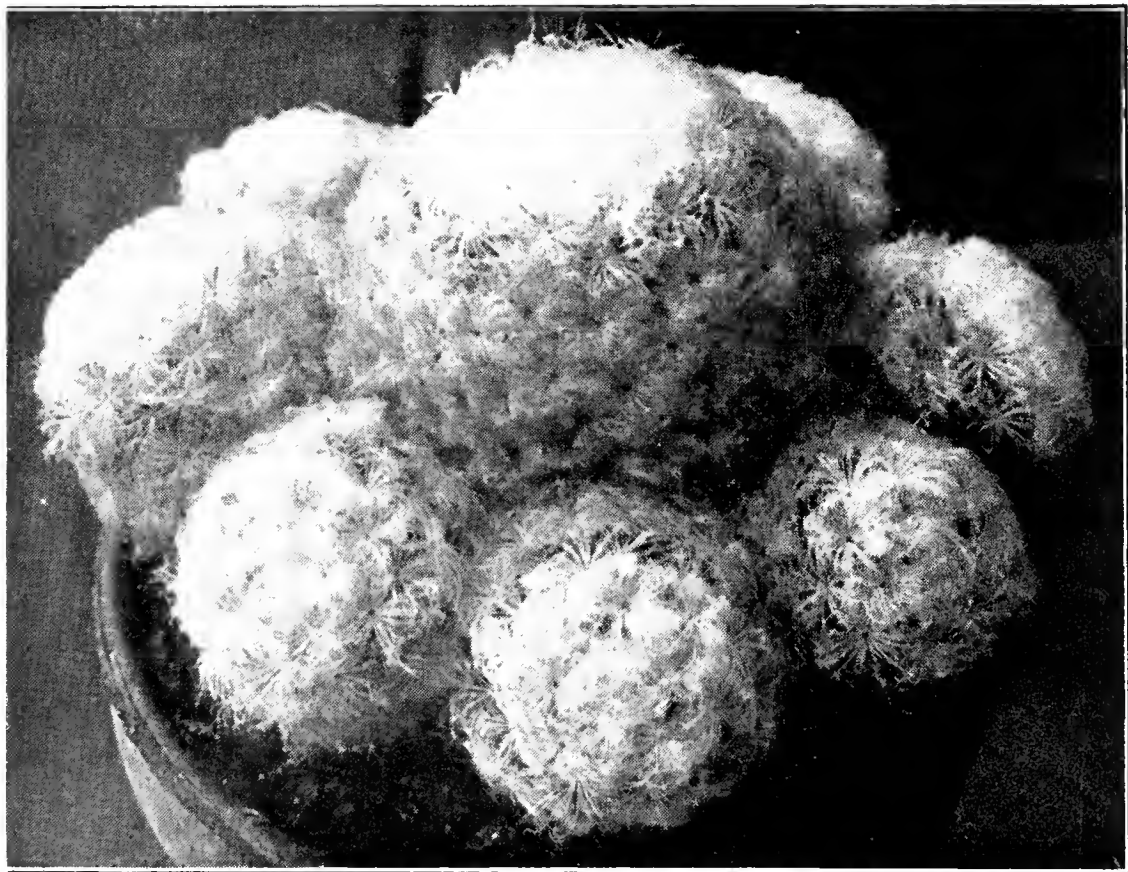
For white hairy or woolly seedlings try Espostoa, Cephalocereus senilis, Oreocereus, Echinocereus delaetii and Mamillarias boscasana, hahniana, candida, klissingiana, guelzowiana, kunzeana, longicoma and zephranthoides.

	PKT.	100 S
MAMILLARIA— <i>continued</i>		
kunzeana .....	.10	.15
leona .....	.10	.20
lloydii .....	.10	.15
longicoma .....	.10	.15
longiflora .....	.10	.40
mainae .....	.10	.35
martinezii .....	.10	.30



Mamillaria martinezii

One of the more recent introductions bears white and brownish red spines. We recommend this one.



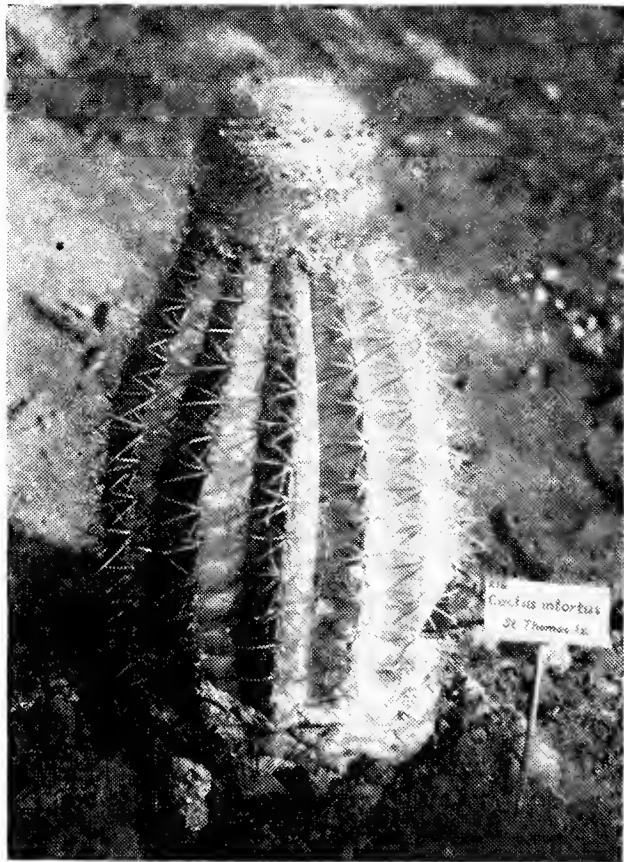
Mamillaria plumosa

A soft downy one. No spines. The "Powder Puff."

meiacantha .....	.10	.15
melanocentra .....	.10	.15
microhelia .....	.15	.60
milleri .....	.10	.25
mixed .....	.10	.10
multiformis .....	.10	.25
mutabilis .....	.10	.25
napina .....	.10	....
new species (similar to chinocephala) .....	.10	.25
nigra .....	.10	.25

MAMILLARIA—*continued*

nunensis .....	.10	.40
occidentalis .....	.10	.35
orcuttii .....	.10	.15
ottonis .....	.10	.20
parkinsonii .....	.10	.25
perbella .....	.10	.15
perbella lanata .....	.10	.30
pfeifferi .....	.10	.25
phaeacantha .....	.10	.25
plumosa .....	.10	.35
polythele .....	.10	.25
prolifera .....	.10	.35
pseudoperbella .....	.10	.20
pusilla .....	.10	.50
pygmaea .....	.10	.20
rettigiana .....	.10	.15
rettigiana var. flavispina .....	.10	.35
rhodantha var. chrysacantha .....	.10	.25
rhodantha var. sulphura .....	.10	.25
rhodantha var. rubra .....	.10	.20
rubripina .....	.10	.40
saetigera .....	.10	.20
schiedeana .....	.10	.25
schmollii .....	.10	.20
sempervivi .....	.10	.30
sheldonii .....	.15	.60
sphacelata .....	.10	.30
spinossissima .....	.10	.10
standleyi .....	.10	.20
tetracantha .....	.10	.25
trichacantha .....	.15	....
uncinata .....	.10	.40
vaupelii .....	.10	.40
viereckii .....	.10	.25
villifera .....	.10	.20
viperina .....	.10	.40
viridiflora .....	.15	.60
waltherii .....	.10	.25
wildiana .....	.10	.25

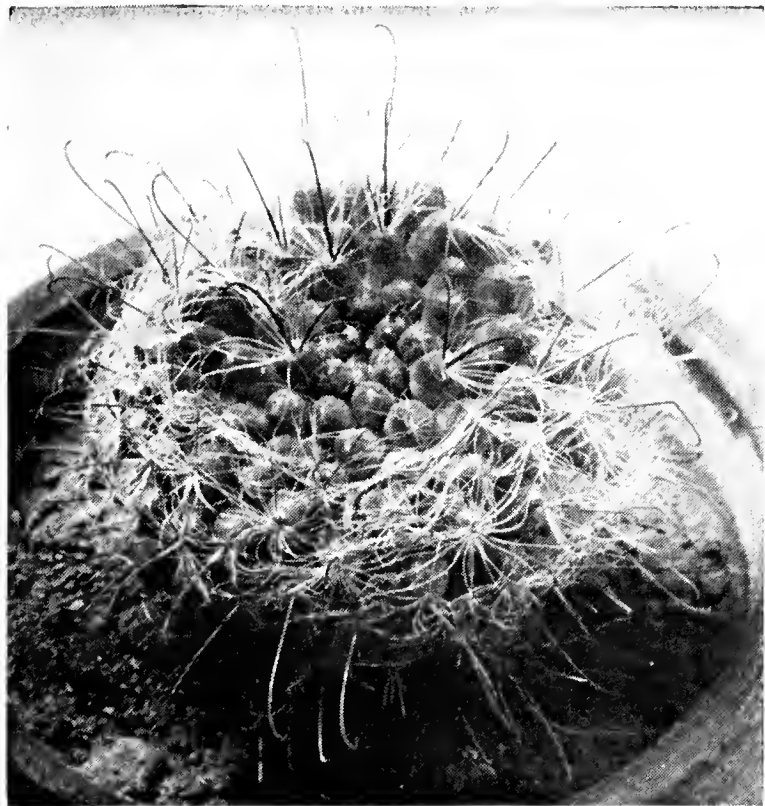


Melocactus intortus

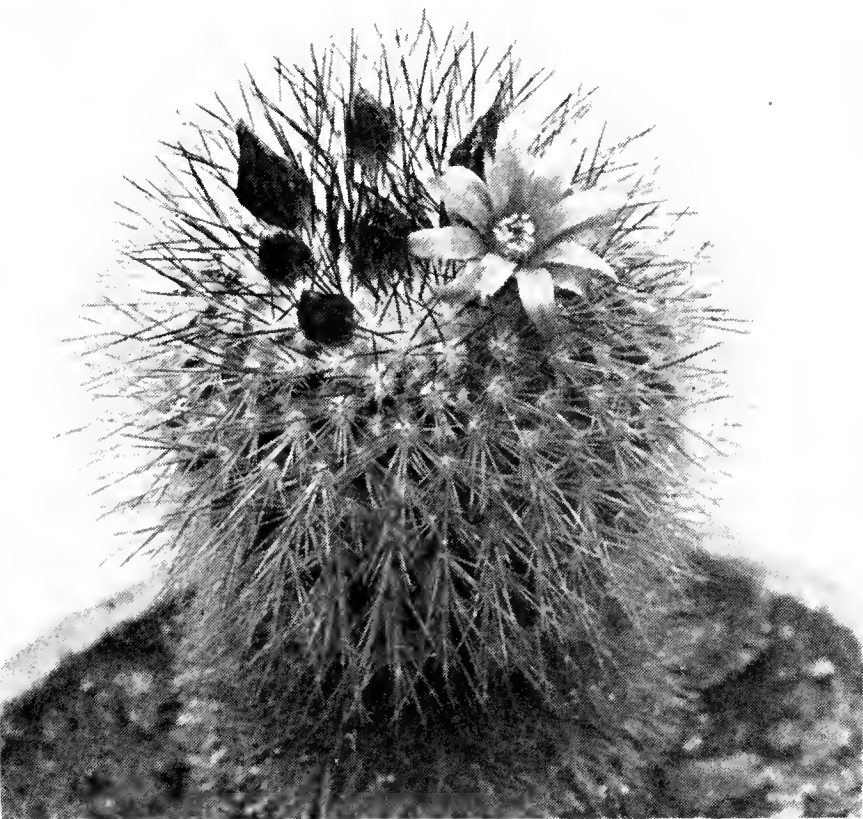
The "Turk's Cap" Cactus.

For the taller growing colorful Cerei, plant Cephalocereus, Cereus, Haageocereus, Neoraimondia, Pachycereus, Pilocereus, and Trichocereus.

	PKT.	100 S
MAMILLARIA— <i>continued</i>		
wilcoxii .....	.15	....
winteriana .....	.10	.20
zahniana .....	.10	.20
zeilmanniana .....	.10	.35
zuccariniana .....	.10	.30
sp. n. (Paila) .....	.10	.20
sp. n. (Sonora) .....	.10	.25



Mamillaria longicoma



Mamillaria spinosissima

MEDIOLOBIVIA		
aureiflora .....	.15	.50
boedekeriana .....	.35	....
duursmaiana .....	.35	....
elegans .....	.35	....
elegans var. gracilis .....	.35	....
MELOCACTUS		
bahiensis .....	.10	.60

Germinate Euphorbia seeds on moist sterile cotton under an inverted glass tumbler. Place root downwards in soil as soon as germinated and keep slightly moist and uncovered. Use soil mixture as recommended on page two for cactus seedlings.

	PKT.	100 S
MELOCACTUS— <i>continued</i>		
intortus .....	.10	.40
lemairei .....	.10	.40
melocactus .....	.10	.45
neryi .....	.10	.45
peruvianus .....	.15	.60
violaceus .....	.10	.30
MILA		
kubeana .....	.20	....
nealeana .....	.15	1.35
MONVILLEA		
phaeacanthus .....	.10	.30
MORAWETZI (New genus)		
doelziana new sp. ....	.45	....
MYRTILLOCACTUS		
cochal .....	.10	.30
geometrizans .....	.10	.15
NEOLLOYDIA		
beguinnii .....	.10	.15
begunnii senilis .....	.10	.15
grandiflora .....	.10	.25
raphidacantha .....	.10	.25
NEOPORTERIA		
nigricans .....	.10	.45
subgibbosa .....	.15	.90
NEORAIMONDIA		
macrostibas .....	.10	.75
macrostibas var. gigantea .....	.10	.40
NEOWERDERMANNIA		
vorwerckii .....	.40	....



Notocactus floricomus

The Notocactus are all fine flowering species.

	PKT.	100 S
NOTOCACTUS		
apricus .....	.10	.60
concinus .....	.10	.40
floricomus .....	.10	.60
floricomus var. flavispinus.....	.10	.60
graessneri .....	.15	.75
grossei .....	.15	.75
haselbergii .....	.15	.75
leninghausii .....	.10	.40
mammulosus rubra .....	.10	.40
muricatus .....	.25	....
ottonis .....	.10	.30
ottonis var. uruguayensis.....	.10	.30
pampeanus .....	.10	.40
scopa ruberrima.....	.10	.35
submammulosus .....	.10	.45
tabularis .....	.10	.45
OPUNTIA		
basilaris .....	.10	.25
chlorotica .....	.10	.25
discata .....	.10	.20
leucotricha .....	.10	.20
lindheimeri .....	.10	.20
linguaeformis .....	.10	.25
microdasys .....	.10	.20
parryi .....	.10	.20
tomentosa .....	.10	.20
turpinii .....	.10	....
vestita .....	.10	.40



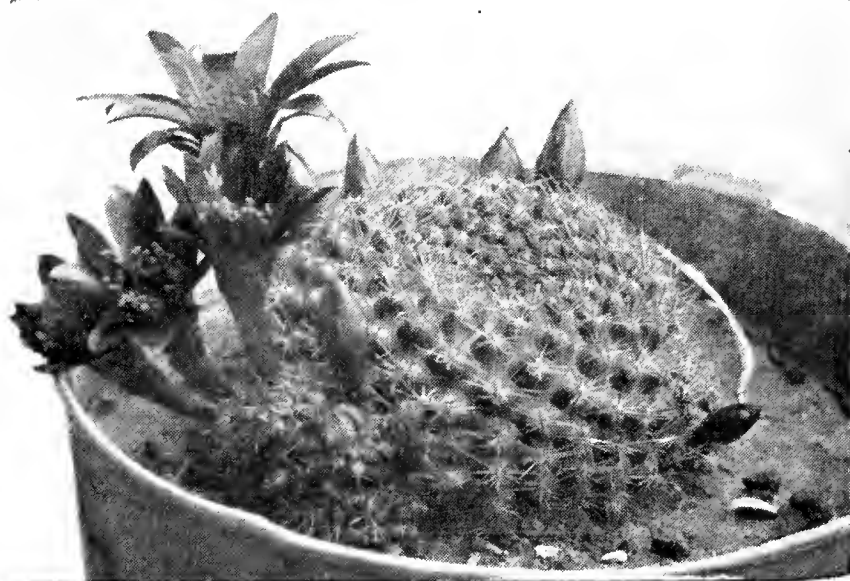
Oreocereus tossulatus

All of the Oreocereus are highly recommended.

OREOCEREUS		
celsianus .....	.10	.20
celsianus var. bruennowii.....	.10	.50
celsianus var. bruennowii subvariety gigantea .....	.10	.60

FURTHER INFORMATION about the growing of cactus and other succulents may be secured from the pages of the monthly JOURNAL of the Cactus and Succulent Society of America, Inc. This illustrated magazine is the recognized authority on the subject and numbers among its contributors many renowned botanists, collectors and growers from many parts of the world. The price is \$3.00 per year, including membership in the Society. Every cactus grower should belong. Send your subscription to us. Ask for a list of available books.

	PKT.	100 S
OREOCEREUS—continued		
fossulatus .....	.10	.60
trollii .....	.10	.15
OROYA		
peruviana .....	.10	.55
PACHYCEREUS		
marginatus .....	.10	.20
pecten-aboriginum .....	.10	.20
pringlei .....	.10	.25
PARODIA		
aureispina .....	.10	.40
chrysacanthion .....	.10	.40
maassii .....	.10	.15
PENIOCEREUS		
greggii .....	.15	.60



Rebutia minuscule

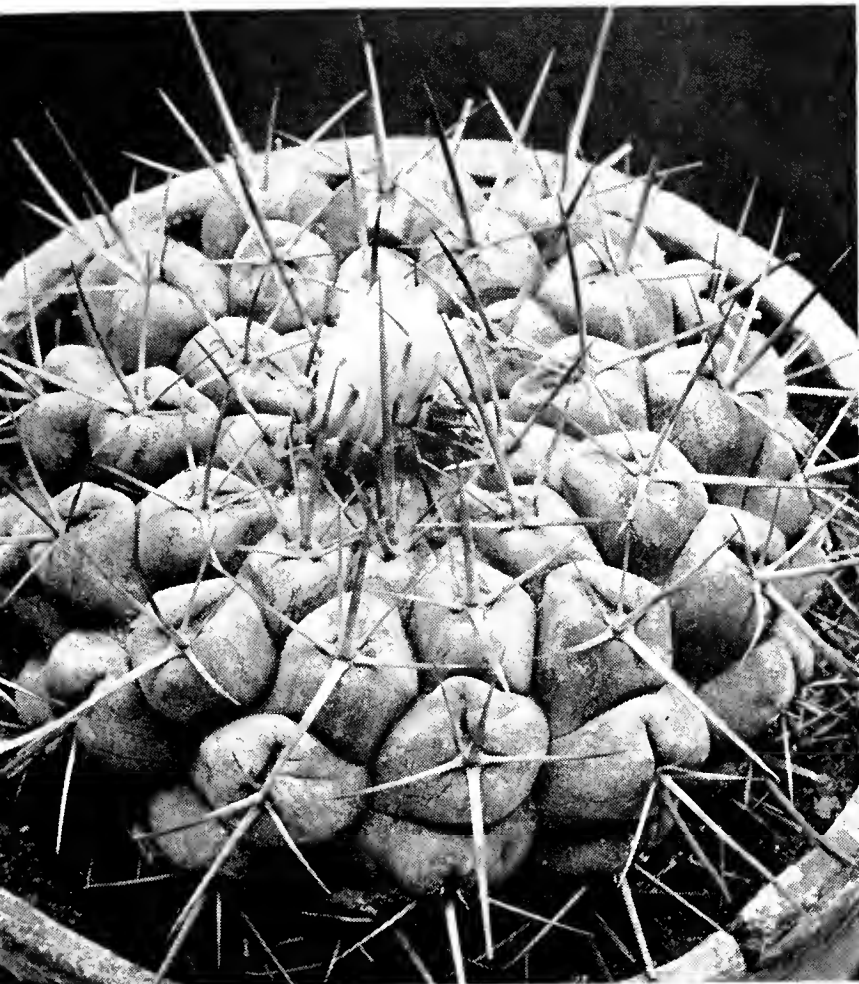
Scarlet flowers second year from seed.

PHELLOSPERMA		
tetrancistra .....	.10	.50
PILOCEREUS		
albispinus .....	.15	.90
arribidae .....	.10	.50
brasiliensis .....	.25	....
chrysostele .....	.10	.40



Solisio pectinata
"A small species."

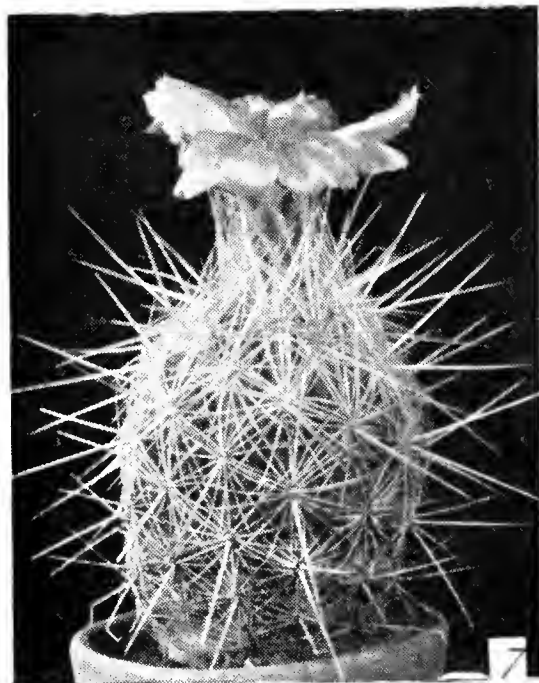
	PKT.	100 S
PILOCEREUS— <i>continued</i>		
colombianus .....	.10	.80
fricii .....	.10	.30
glaucescens .....	.10	.30
hapalacanthus .....	.10	....
macrocephalus .....	.10	.30
niger .....	.10	.55
pentaedrophorus .....	.20	....
piauhensis .....	.10	.55
russelianus .....	.10	.80
PORFIRIA		
schwartzii .....	.10	.25
PSEUDOSPOSTOA		
melanostele .....	.20	1.50
melanostele var. inermis .....	.25	1.80



Thelocactus fossulatus

PYRRHOCACTUS		
curvispinus .....	.15	....
horridus .....	.10	.60
mammillarioides .....	.10	.45
soehrensii .....	.10	.60
straussianus .....	.10	.30
umadeave .....	.10	....
RATHBUNIA		
alamosensis .....	.10	.75
REBUTIA		
chrysacantha .....	.15	1.20
deminuta .....	.15	.80
grandiflora .....	.15	1.20
minuscule .....	.10	.20
minuscule setosa .....	.20	....
pseudodeminuta .....	.10	.75
pseudodeminuta var. schneideriana .....	.15	....
pseudodeminuta var. schneideriana .....	.15	....
pseudominuscule .....	.10	.60
pygmaea .....	.20	....
senilis .....	.25	....

	PKT.	100 S
REBUTIA— <i>continued</i>		
senilis var. aurescens .....	.25	....
senilis var. breviseta .....	.15	....
senilis var. cana .....	.25	....
senilis var. elegans .....	.25	....
senilis var. luteirosa .....	.30	....
senilis var. stuemeriana .....	.20	....
spagazziniana .....	.20	1.20
spinosissima .....	.20	1.20
violaciflora .....	.30	2.40
xanthocarpa .....	.10	.60
xanthocarpa var. citricarpa .....	.10	.60
xanthocarpa var. coerulescens .....	.10	.60
xanthocarpa var. luteirosea .....	.10	.80
xanthocarpa var. salmonea .....	.10	.80
ROSEOCEREUS		
tephracanthus .....	.15	1.00
SCLEROCACTUS		
polyancistrus .....	.10	.25
SELENICEREUS		
grandiflorus .....	.10	.30
pseudo-spinulosus .....	.10	.35
SOLISIA		
pectinata .....	.20	....
SPEGAZZINIA		
fidaiana .....	.40	....
STEPHANOCEREUS		
leucostele .....	.25	....
STETSONIA		
coryne .....	.10	1.00
STROMBOCACTUS		
disciformis .....	.15	.75
THELOCACTUS		
bicolor .....	.10	.15
bolansis .....	.10	.30
buekii .....	.10	.30
conothelos .....	.10	.40
ehrenbergii .....	.15	.50
fossulatus .....	.15	.70
hastiferus .....	.10	.30
hexaedrophorus .....	.10	.20
knutheanus .....	.10	.30
leucacanthus .....	.15	.50
lopothele .....	.10	.15
nidulans .....	.10	.25
sauerii .....	.15	.60



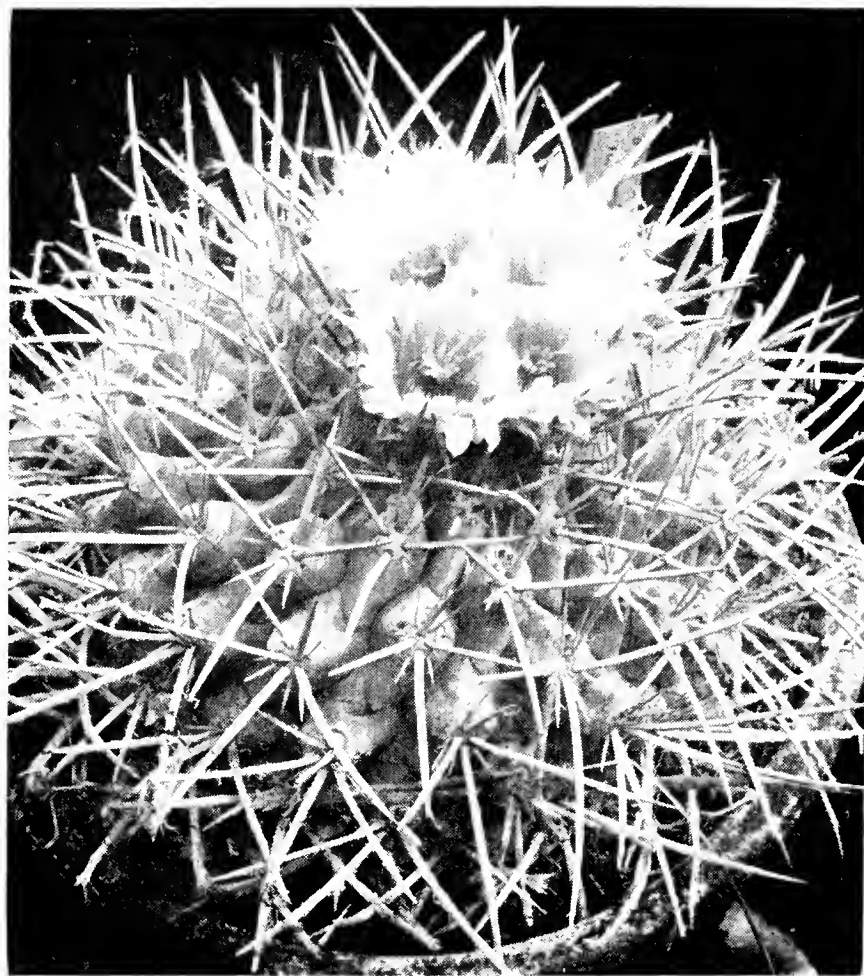
Thelocactus bolansis

Attractive colored lithographed packets of mixed seed for dealers. Ask for wholesale prices. See sample on cover.

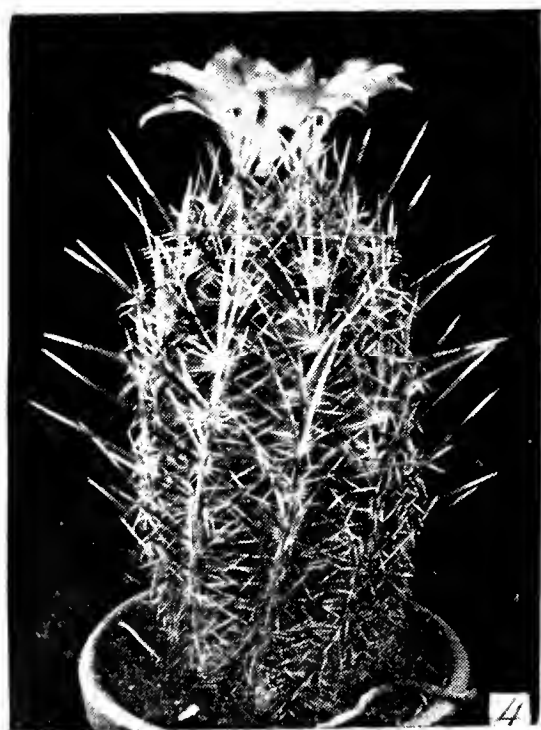
	PKT.	100
THELOCACTUS— <i>continued</i>		S
saussierii .....	.10	.40
subterraneus (rare new) .....	.15	.80
tricolor .....	.10	.20
tulensis .....	.10	.30
wagnerianus .....	.10	.15
TRICHOCEREUS		
bertramianus .....	.10	.40
bridgesii .....	.10	.30
candicans .....	.10	.20
chilensis .....	.10	.60
coquimbatus .....	.10	.25
huascha .....	.10	.30
knuthianus .....	.15	1.00
macrogonus .....	.15	.80
pasacana .....	.10	.15
spachianus .....	.10	.15
strigosus .....	.10	.25
terscheckii .....	.10	.15
werdermannianus .....	.10	.55
TURBINICARPUS		
pseudomacrohele .....	.15	.80
schmiedickeanus .....	.25	.....
WILCOXIA		
striata .....	.10	.35
MIXED CACTUS SEEDS		
Astrophytum .....	.10	.40
California .....	.10	.25
Cephalocereus .....	.10	.30
Cereus (Piptanthocereus) best		
grafting stock .....	.10	.20
Coryphantha .....	.10	.25
Echinocactus .....	.10	.15
Echinocereus .....	.10	.10
Echinofossulocactus .....	.10	.10
Echinopsis .....	.10	.25
Eriocereus .....	.10	.25
Ferocactus .....	.10	.15
Frailea .....	.10	.30
Lemaireocereus .....	.10	.15
Lobivia .....	.10	.40
Mammillaria .....	.10	.10

	PKT.	100
MIXED CACTUS SEEDS— <i>continued</i>		S
Pachycereus .....	.10	.15
Rebutia .....	.10	.40
South American .....	.10	.25
Thelocactus .....	.10	.15
Trichocereus .....	.10	.20
One packet of each of the above mixtures		\$2.35
postpaid.		

SPECIAL ASSORTMENTS OF MY SELECTION
500 Seeds, 10 Species..... 1.00



Thelocactus nidulans



Thelocactus tricolor

Many species .....	.10	.25
Melocactus .....	.10	.35
Mexican .....	.10	.20
Notocactus .....	.10	.40
Opuntia .....	.10	.20
Oreocereus .....	.10	.25



Coryphantha pallida

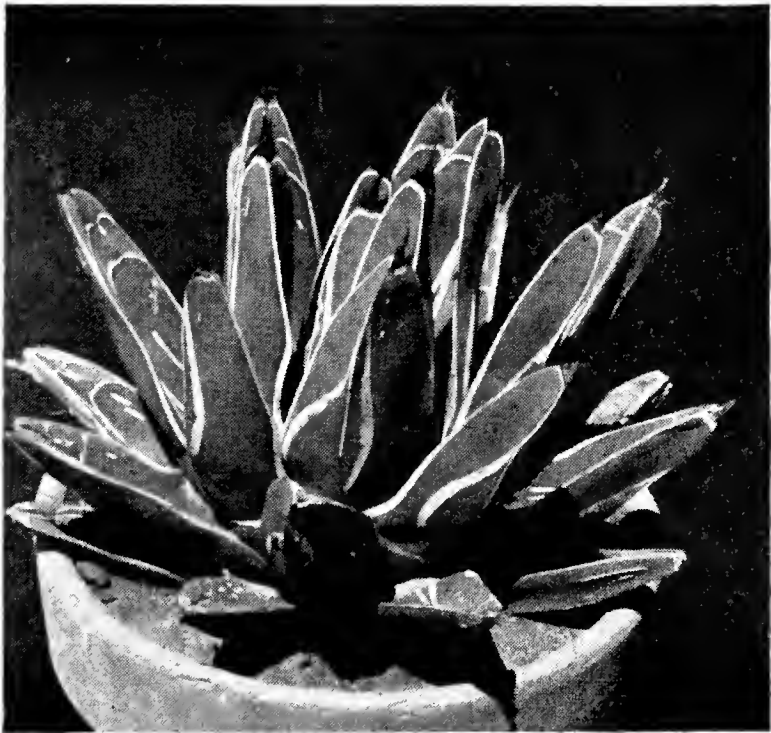
SUCCULENT SEEDS

	PKT.	100
AGAVE		S
ferox .....	.10	.25
imperialis .....	.10	.25
victoria-reginae .....	.10	.30
ALOE		
ferox .....	.10	.15
herreroensis .....	.10	.35
striata .....	.10	.25
variegata .....	.15	.70



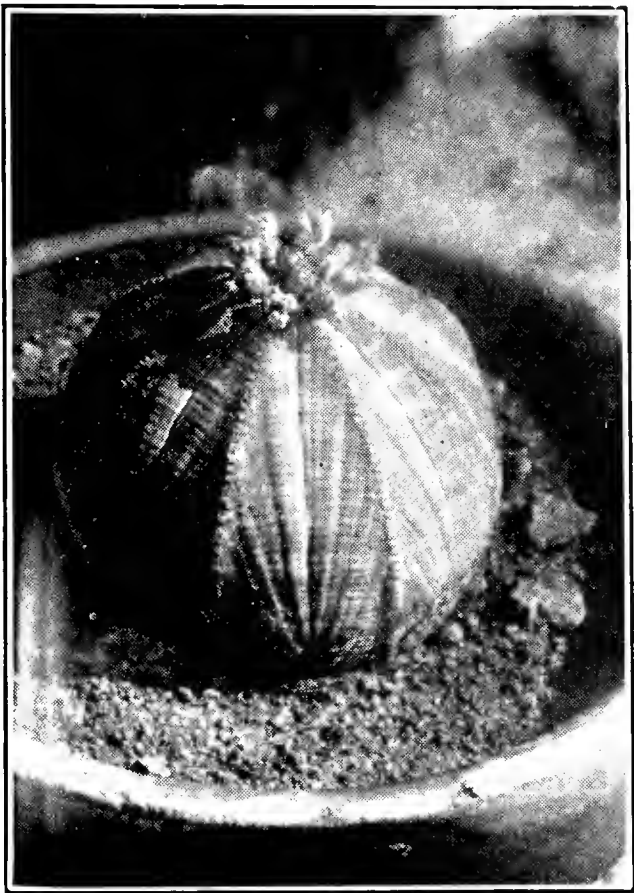
Aloe variegata
The "tiger Aloe" or "Partridge Breast."

CLEISTOYUCCA		
arborescens (Joshua tree) .....	.10	.40
DYCKIA		
rarifolia .....	.10	.40
sulphurea .....	.10	.25
EUPHORBIA	2 seeds	
bubalina .....	.05	....
dinteri .....	.20	....
inermis .....	.20	....
lathyris .....	.10	....
ledienii .....	.15	....
morinii .....	.15	....



Agave victoria-reginae
A small growing beautiful species.

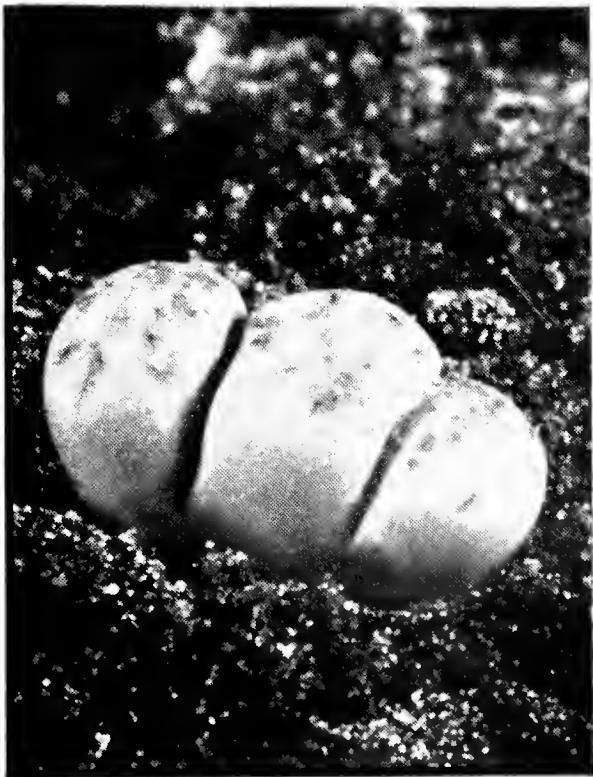
EUPHORBIA— <i>continued</i>	PKT.	100
obesa .....	.20	....
regis jubae .....	.10	....
GASTERIA		
mixed .....	.10	.40
HOODIA		
macrantha .....	.60	4.40
LITHOPS		
mixed .....	.15	.40
HESPEROYUCCA		
whipplei (the Lord's Candle) .....	.10	.25
MANFREDIA		
variegata .....	.10	.30
PLEIOSPILOS		
similaris .....	.20	.75
PUYA		
coarctata .....	.20	....



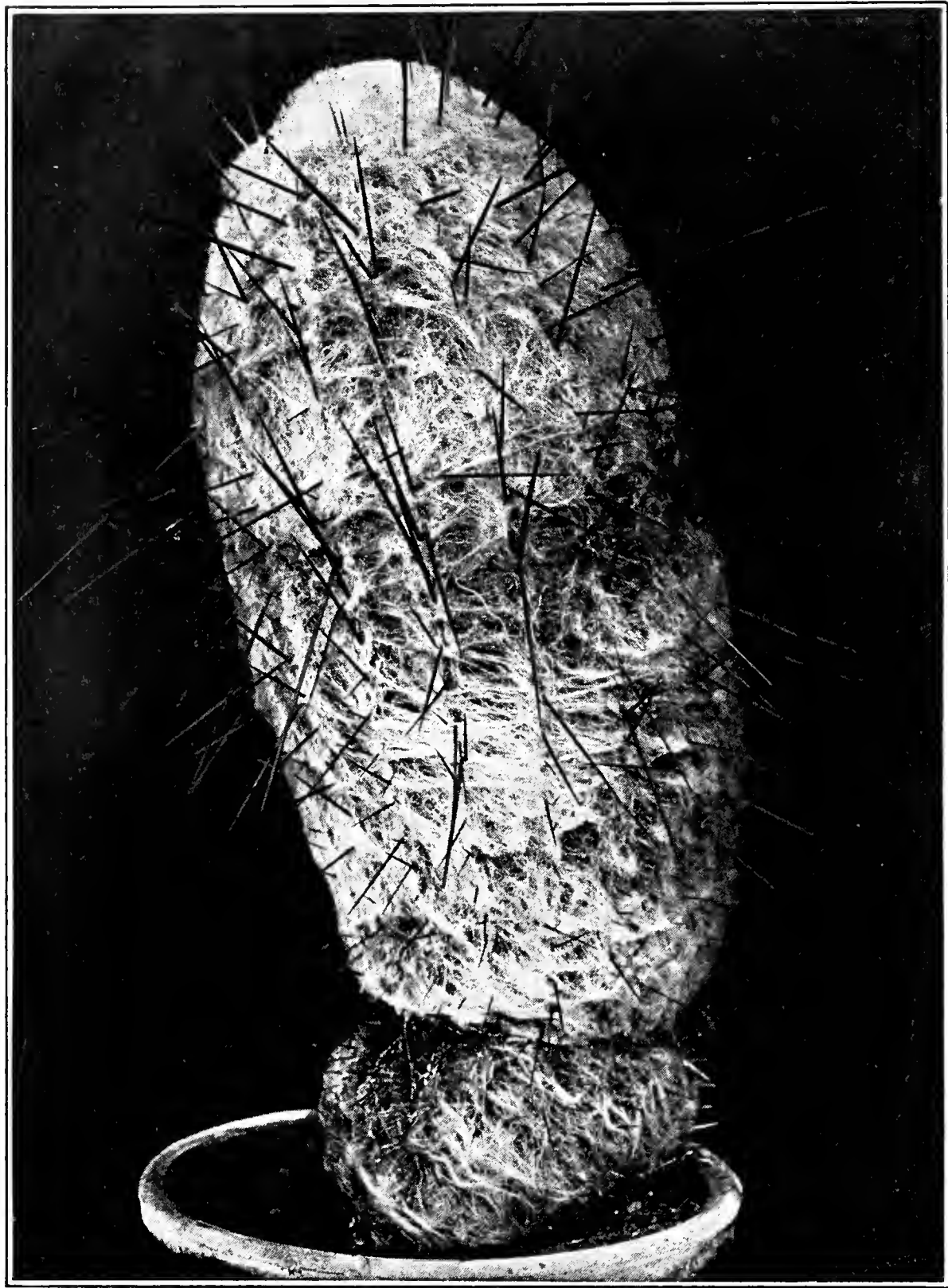
Euphorbia obesa
TITANOPSIS
schwantesii

.15 .50

Ask for Special List of Rare South African Succulent Seed.



Lithops
A "Living Rock." Odd So. Africa succulent.



Euphorbia lanata

A Peruvian species having snow white wool and red or yellow spines.

LITERATURE ON CACTUS



THE CACTUS BOOK by **A. D. Houghton**

From this book you will learn the secrets of successful watering, how to grow Cacti from seeds, how to propagate the rare species by grafting, how to hybridize, how to grow indoors in pots, and on window sills, how to purchase and trade to get new sorts and what kinds to grow for different effects. Also introduces you to more than 1,000 different kinds of Cacti with information for selecting the types you need for every purpose and location.

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